

# *Wisconsin Aviation Activity 2005*

Wisconsin Department of Transportation  
Bureau of Aeronautics

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# **Wisconsin Aviation Activity 2005**

Aviation activity in Wisconsin is determined through the use of information provided by the Federal Aviation Administration (FAA) and developed from the Wisconsin Department of Transportation (WisDOT) records and files. Reporting sources include air traffic control facilities, flight service stations, airport managers and scheduled air carriers.

This report shows activity levels for 2005 as well as the recent past. The calendar year totals for aviation activity at airports with control towers were taken from the monthly data reports submitted by the FAA control towers.

The summarized data in this report is used in developing and measuring Wisconsin aviation trends.

## **Landing Facilities**

Currently, there are 705 aircraft landing areas known to exist in Wisconsin. Table 1 summarizes these landing areas.

**Table 1**

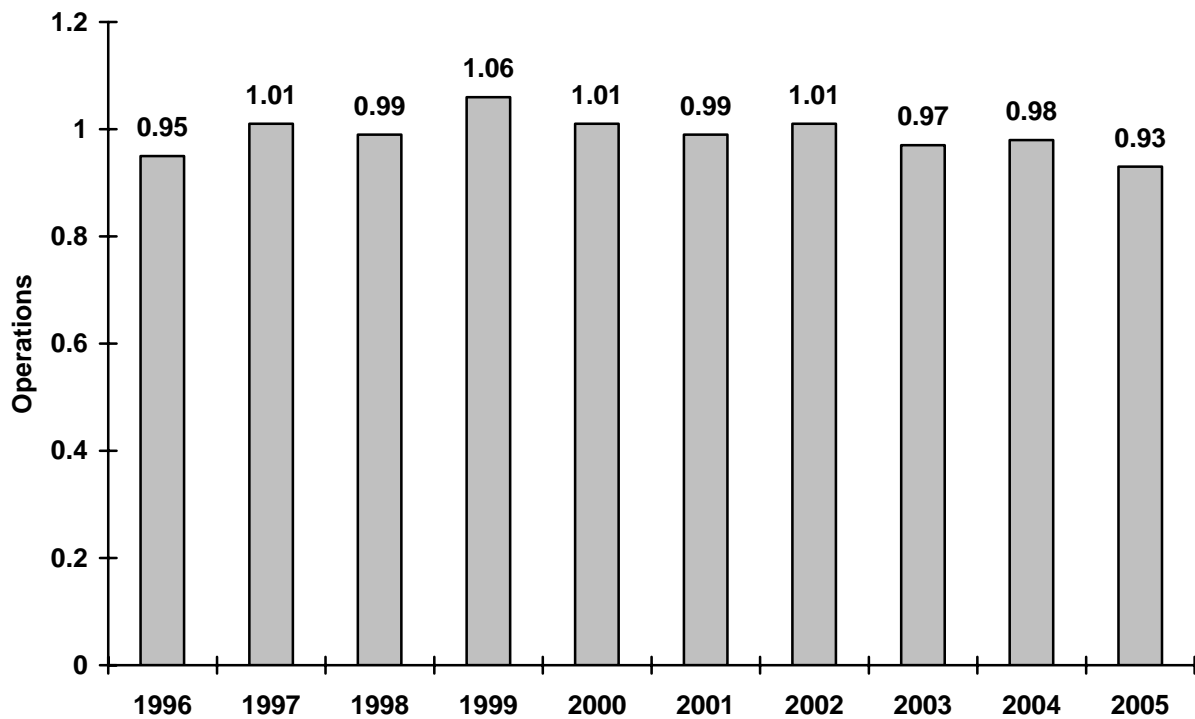
<b>Landing Facilities</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>
Airports Open to the Public	136	134	134	134	130
Publicly Owned	98	97	99	99	97
Privately Owned	38	37	35	35	33
Private Use Airports	430	407	403	405	402
Heliports	126	132	136	139	140
Seaplane Bases	27	27	25	26	26
Military/Police Fields and Helipads	7	7	7	7	7
<b>Total</b>	<b>726</b>	<b>700</b>	<b>705</b>	<b>711</b>	<b>705</b>

Location on the National Plan of Integrated Airport Systems (NPIAS)	83	84	84	87	88
Location on the State Airport System Plan (SASP)	100	100	100	98	98
Airports with Instrument Approaches	82	80	85	85	85

## **Aircraft Operations**

Figure 1 shows the trend in aircraft operations at Wisconsin airports with traffic control towers since 1996.

**Figure 1**  
**Wisconsin Aircraft Operations at Control Tower Locations**  
(Millions)



## **Aircraft Operations at Control Tower Airports**

**Table 2**

<b>Location/Airport</b>	<b>Tower Hours</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>% Change (03-04)</b>
Milwaukee - General Mitchell International	24 hours	211,512	216,179	211,418	217,494	219,114	.7
Madison - Dane County Regional	6AM – 11PM	128,555	129,498	132,108	129,673	115,818	-10.7
Oshkosh - Wittman Regional	6AM – 10PM	103,399	117,625	110,870	100,588	96,600	-4
Waukesha - Crites Field	6AM – 9PM	96,032	93,538	92,198	89,822	82,749	-7.9
Kenosha - Kenosha Regional	7AM – 9PM	99,093	80,707	80,960	81,648	78,357	-4
Janesville – Southern Wisconsin Regional	6AM – 9PM	80,740	83,298	75,472	68,849	58,622	-15
Milwaukee - Timmerman	7AM – 9PM	76,867	77,817	72,514	69,134	79,054	14.3
Green Bay - Austin Straubel International	5:30AM – 11:30PM	63,405	74,141	70,548	95,921	86,080	-10.2
Appleton - Outagamie County Regional	5:30AM-11PM	56,805	57,691	53,440	50,583	49,712	-1.7
La Crosse - La Crosse Municipal	6AM – 9PM	42,490	40,658	38,969	43,826	40,078	-8.6
Mosinee - Central Wisconsin	6AM – 10PM	38,342	36,362	35,062	29,726	27,381	-7.9
<b>Total</b>		<b>997,240</b>	<b>1,007,514</b>	<b>973,559</b>	<b>977,264</b>	<b>933,565</b>	<b>-4.5</b>

## **Itinerant/Local Activity Splits**

**Table 3**

<b>Location/Airport</b>	<b>% Itinerant</b>	<b>% Local</b>
Milwaukee - General Mitchell International	99	1
Madison - Dane County Regional	76	24
Oshkosh - Wittman Regional	57	43
Milwaukee - Timmerman	68	32
Green Bay - Austin Straubel International	56	44
Appleton - Outagamie County Regional	86	14
Janesville – Southern Wisconsin Regional	38	62
Waukesha - Crites Field	57	43
La Crosse - La Crosse Municipal	65	35
Mosinee - Central Wisconsin	83	17
Kenosha - Kenosha Regional	52	48

## **Flight Service Station**

The Green Bay Flight Service Station (FSS) activity levels shown in Table 4 equals the sum of flight plans originated and pilot briefs provided, multiplied by two, plus the number of aircraft contacted. Total services at the Green Bay FSS showed a 12% decrease between 2004 and 2005. Table 5 is a breakdown of total services by type of activity.

**Table 4**

<b>FSS</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>% Change (04-05)</b>
Green Bay FSS	582,357	546,877	498,790	504,082	443,745	-12

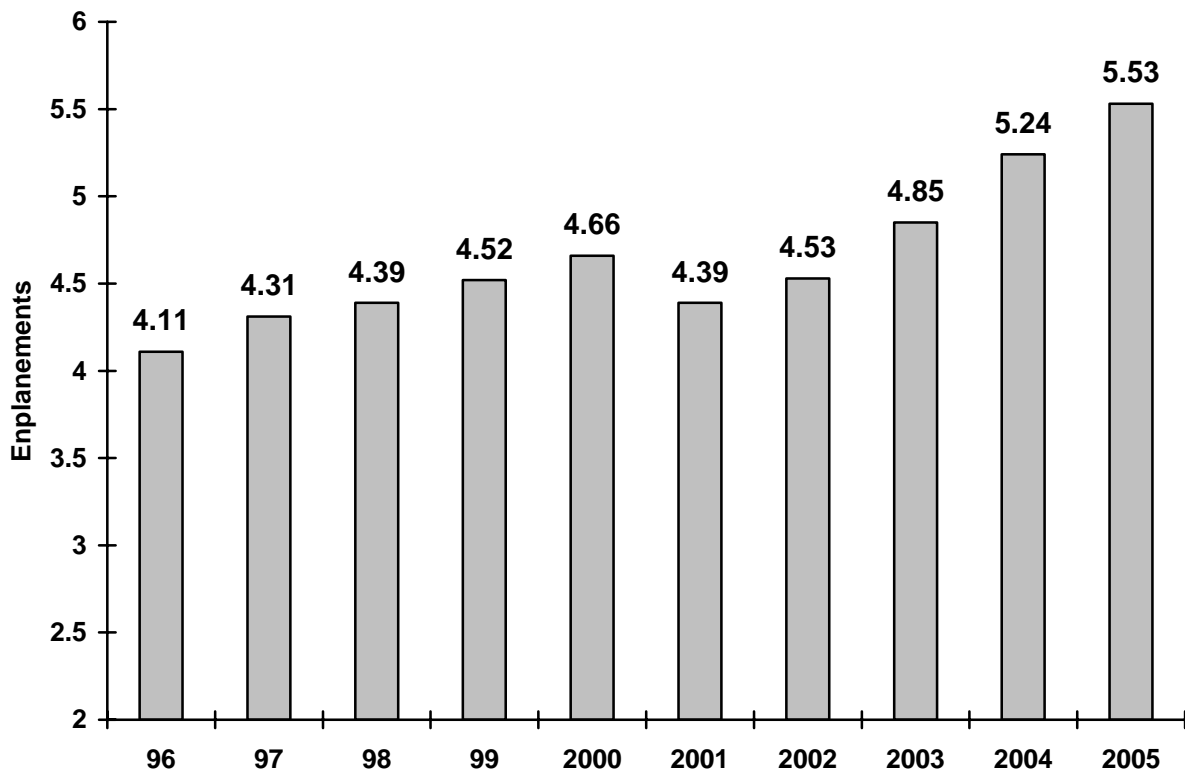
**Table 5**

<b>Category</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>% Change (04-05)</b>
Aircraft Contacts	58,607	44,319	39,752	40,388	36,437	-9.8
Flight Plans Originated	123,764	118,558	108,804	105,713	91,719	-13.2
Pilot Briefs	138,111	132,721	119,715	126,134	111,935	-11.3

## Air Carrier Enplanements

As shown in Figure 2 and Table 6, scheduled air carrier enplaned passengers for 2005 totaled 5.53 million. This is an increase of 5% or 287,289 more enplanements than 2004. The totals include enplaned passengers only. Total passenger traffic at each airport would be approximately double the number of enplanements.

**Figure 2**  
**Wisconsin Air Carrier Enplanements**  
(Millions)



In compiling the statistics for this category, total enplanements of scheduled air carrier passengers, both certificated and commuter, were obtained from the respective airport manager (per calendar year). Since the FAA publication ***Airport Activity Statistics of Certificated Route Air Carriers*** for 2005 had not been issued at the time of printing, the data presented here for 2005 is preliminary and subject to change.

## **Air Carrier Enplanements**

**Table 6**

<b>Location/Airport</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>% Change (04-05)</b>
Milwaukee - General Mitchell International	2,811,954	2,815,984	3,074,422	3,331,255	3,623,106	8.8
Madison - Dane County Regional	674,700	768,475	806,546	847,341	808,606	-4.6
Green Bay - Austin Straubel International	348,086	373,696	393,777	413,312	433,183	4.8
Appleton - Outagamie County Regional	261,395	271,535	261,947	304,504	313,478	2.9
Mosinee - Central Wisconsin	130,897	142,538	150,599	162,883	165,597	1.7
La Crosse - La Crosse Municipal	107,247	110,043	111,033	122,126	123,681	1.3
Eau Claire - Chippewa Valley Regional	21,399	20,229	20,696	24,534	23,812	2.9
Rhineland - Rhineland-Oneida County	27,967	27,701	31,032	38,925	40,706	4.6
<b>Total</b>	<b>4,386,021</b>	<b>4,531,810</b>	<b>4,850,196</b>	<b>5,244,880</b>	<b>5,532,169</b>	<b>5.5</b>



## **Enplaned Cargo (Lbs.)**

**Table 7**

<b>Location/Airport</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>% Change (04-05)</b>
Green Bay - Austin Straubel Intl.	416,837	617,837	806,211	523,338	434,545	-17
Appleton - Outagamie County	7,005,579	10,109,277	8,592,396	8,588,012	9,845,894	14.6
Madison - Dane County Regional	11,092,514	11,379,640	11,144,456	11,064,303	12,258,893	10.8
Janesville – So. Wisconsin Regional	1,072,980	749,844	400,977	1,460,947*	458,706	-68.6
Milwaukee – Gen. Mitchell Intl.	107,097,313	100,365,740	95,803,611	97,429,150	90,677,945	-6.9
Mosinee - Central Wisconsin	N/A	3,068,609	3,735,421	2,918,088	2,529,646	-13.3
Eau Claire – Chippewa Valley	N/A	215,928	214,796	215,362	60,082	-72.1
Rhineland-Oneida County	N/A	1,674,691	1,818,640	1,533,229	1,434,715	-6.5
<b>Total</b>	<b>126,685,223</b>	<b>128,181,566</b>	<b>122,516,508</b>	<b>123,732,429</b>	<b>117,700,426</b>	<b>-4.9</b>

\* Southern Wisconsin Regional Airport experiences fluctuations in enplaned cargo due to a substantial increases/decreases in manufacturing from companies in the area.

## **Based Aircraft**

Using the FAA definition of “active aircraft” as an aircraft that flew one or more hours during the year, Table 8 shows the total active aircraft registered with the WisDOT, Division of Motor Vehicles. Totals for 2005 include the number of aircraft registered, those with registration pending, and the delinquent registrations as of March 2005.

**Table 8**

<b>Active Aircraft</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>% Change (04-05)</b>
Airplanes	4,894	4,766	4,915	4,939	5,071	2.7
Seaplanes	52	52	53	51	49	-3.9
Sailplanes	45	55	56	54	58	7.4
Rotorcraft	76	80	84	91	93	2.2
Balloons	65	78	79	74	79	-6.7
Hang Gliders/ Ultralights	19	12	12	13	12	-7.7
<b>Total</b>	<b>5,151</b>	<b>5,043</b>	<b>5,199</b>	<b>5,222</b>	<b>5,362</b>	<b>2.7</b>

## **Summary of 2005 Aviation Activity**

**Table 9**

<b>Aviation Activity</b>	<b>2005</b>	<b>% Change (04-05)</b>
A. Total Aircraft Operations at Locations with Air Traffic Control Towers	933,565	-4.5
B. Total Service at Flight Service Stations	443,745	-12
C. Total Scheduled Air Carrier Passenger Enplanements	5,532,169	5.5
D. Total Active Based Aircraft	5,362	2.7
E. Total Landing Facilities on Record	705	.8
F. Total Enplaned Cargo (lbs.)	117,700,426	-4.9